

Fig. 1

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50	-1.10	=====	I	
51	-0.80	=====	t	
52	-0.18	==	V	
53	-0.23	==	S	
54	-0.37	=====	T	
55	-0.25	==	N	
56	-0.28	==	G	
57	0.22		S	==
58	-0.25	==	I	
59	0.05		H	
60	0.05		S	
61	-0.07	=	P	
62	-0.05		R	
63	-0.55	=====	F	
64	0.37		P	=====
65	0.40		H	=====
66	0.42		T	=====
67	0.23		Y	==
68	-0.08	=	P	
69	-0.33	==	R	
70	-1.40	=====	N	
71	-0.93	=====	T	
72	-1.17	=====	V	
73	-1.17	=====	L	
74	-0.95	=====	V	
75	-0.95	=====	W	
76	0.12		R	=
77	0.12		L	=
78	0.45		V	=====
79	0.45		A	=====
80	-0.03		V	
81	-0.08	=	E	
82	-0.55	=====	E	
83	-1.35	=====	N	
84	-1.45	=====	V	
85	-1.62	=====	W	
86	-0.55	=====	I	
87	0.25		Q	==
88	0.72		L	=====
89	0.60		T	=====
90	0.67		F	=====
91	0.78		D	=====
92	0.78		E	=====
93	0.78		R	=====
94	0.28		F	==
95	1.20		G	=====
96	1.70		L	=====
97	2.50		E	=====
98	1.70		D	=====
99	1.03		P	=====
100	1.53		E	=====
101	0.65		D	=====
102	0.65		D	=====
103	-0.27	==	I	
104	-0.22	==	C	
105	0.45		K	=====

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106	-0.30	===	Y
107	0.58		D =====
108	0.58		F =====
109	1.00		V =====
110	1.30		E =====
111	1.30		V =====
112	1.55		E =====
113	0.98		E =====
114	0.18		P ==
115	-0.12	=	S
116	-0.17	==	D
117	-0.17	==	G
118	-0.73	=====	T
119	-0.83	=====	I
120	-0.53	=====	L
121	-0.80	=====	G
122	-0.80	=====	R
123	-1.37	=====	W
124	-1.05	=====	C
125	-0.88	=====	G
126	-0.88	=====	S
127	0.18		G ==
128	0.22		T ==
129	-0.02		V
130	0.28		P ===
131	0.78		G =====
132	0.78		K =====
133	0.32		Q ===
134	0.32		I ===
135	0.32		S ===
136	0.77		K =====
137	-0.03		G
138	0.47		N =====
139	0.02		Q
140	-0.27	===	I
141	0.08		R =
142	0.08		I =
143	0.88		R =====
144	0.00		F
145	0.00		V
146	0.25		S ===
147	0.25		D ===
148	0.25		E ===
149	-0.25	===	Y
150	0.13		F =
151	0.13		P =
152	-0.03		S
153	-0.38	=====	E
154	-0.97	=====	P
155	-1.35	=====	G
156	-1.32	=====	F
157	-1.20	=====	C
158	-1.28	=====	I
159	-1.20	=====	H
160	-1.12	=====	Y
161	-0.70	=====	N

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

[illegible]

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218 -0.80
219 -0.80
220 -0.23
221 -0.15
222 -0.60
223 -0.55
224 -0.67
225 -0.67
226 -0.67
227 -0.08
228 0.38
229 1.13
230 1.30
231 1.05
232 1.05
233 0.25
234 0.23
235 -0.57
236 -0.62
237 -0.43
238 -0.43
239 0.37
240 0.08
241 0.88
242 0.88
243 0.57
244 0.12
245 -0.55
246 -0.37
247 -0.87
248 -0.07
249 0.35
250 -0.12
251 0.10
252 -0.08
253 -0.03
254 -0.83
255 -0.37
256 0.55
257 1.00
258 0.95
259 1.40
260 2.20
261 1.63
262 1.63
263 1.07
264 1.07
265 0.15
266 -0.92
267 -0.85
268 -1.35
269 -1.45
270 -1.45
271 -1.33
272 -1.02
273 -0.52

===== P
===== T
== W
= Q
===== L
===== L
===== G
===== K
===== A
= F
V =====
F =====
G =====
R =====
K =====
S ==
R ==
===== V
===== V
===== D
===== L
N =====
L =
L =====
T =====
E =====
E =
===== V
===== R
===== L
= Y
S =====
= C
T =
= P
R
===== N
===== F
S =====
V =====
S =====
I =====
R =====
E =====
E =====
L =====
K =====
R =
===== T
===== D
===== T
===== I
===== F
===== W
===== P
===== G

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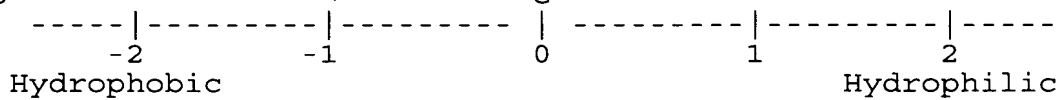
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275	-0.02		L
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277	0.58		V =====
278	0.87		K =====
279	0.20		R ==
280	-0.38	=====	C
281	-0.38	=====	G
282	-0.55	=====	G
283	-0.85	=====	N
284	-0.97	=====	C
285	-0.77	=====	A
286	-0.85	=====	C
287	-0.65	=====	C
288	0.02		L
289	0.15		H ==
290	0.27		N ===
291	0.07		C =
292	-0.02		N
293	-0.05		E
294	-0.50	=====	C
295	0.17		Q ==
296	-0.12	=	C
297	-0.02		V
298	0.73		P =====
299	1.23		S =====
300	1.20		K =====
301	0.62		V =====
302	1.37		T =====
303	1.18		K =====
304	0.38		K =====
305	-0.08	=	Y
306	-0.40	=====	H
307	0.18		E ==
308	-0.32	=====	V
309	0.43		L =====
310	0.67		Q =====
311	0.63		L =====
312	0.68		R =====
313	0.68		P =====
314	0.68		K =====
315	-0.12	=	T
316	-0.13	=	G
317	0.37		V =====
318	0.67		R =====
319	-0.13	=	G
320	-0.20	=====	L
321	0.60		H =====
322	0.43		K =====
323	-0.15	=	S
324	-0.50	=====	L
325	0.30		T =====
326	0.28		D =====
327	0.10		V =
328	0.85		A =====
329	1.43		L =====

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330 1.57
331 1.57
332 1.48
333 0.92
334 0.25
335 0.36
336 0.64
337 0.30
338 0.51
339 0.87
340 1.15
341 0.00
342 0.00
343 0.00
344 0.00
345 0.00

E =====
H =====
h =====
E =====
E =====
C =====
D =====
C =====
V =====
C =====
R =====
G
S
T
G
G



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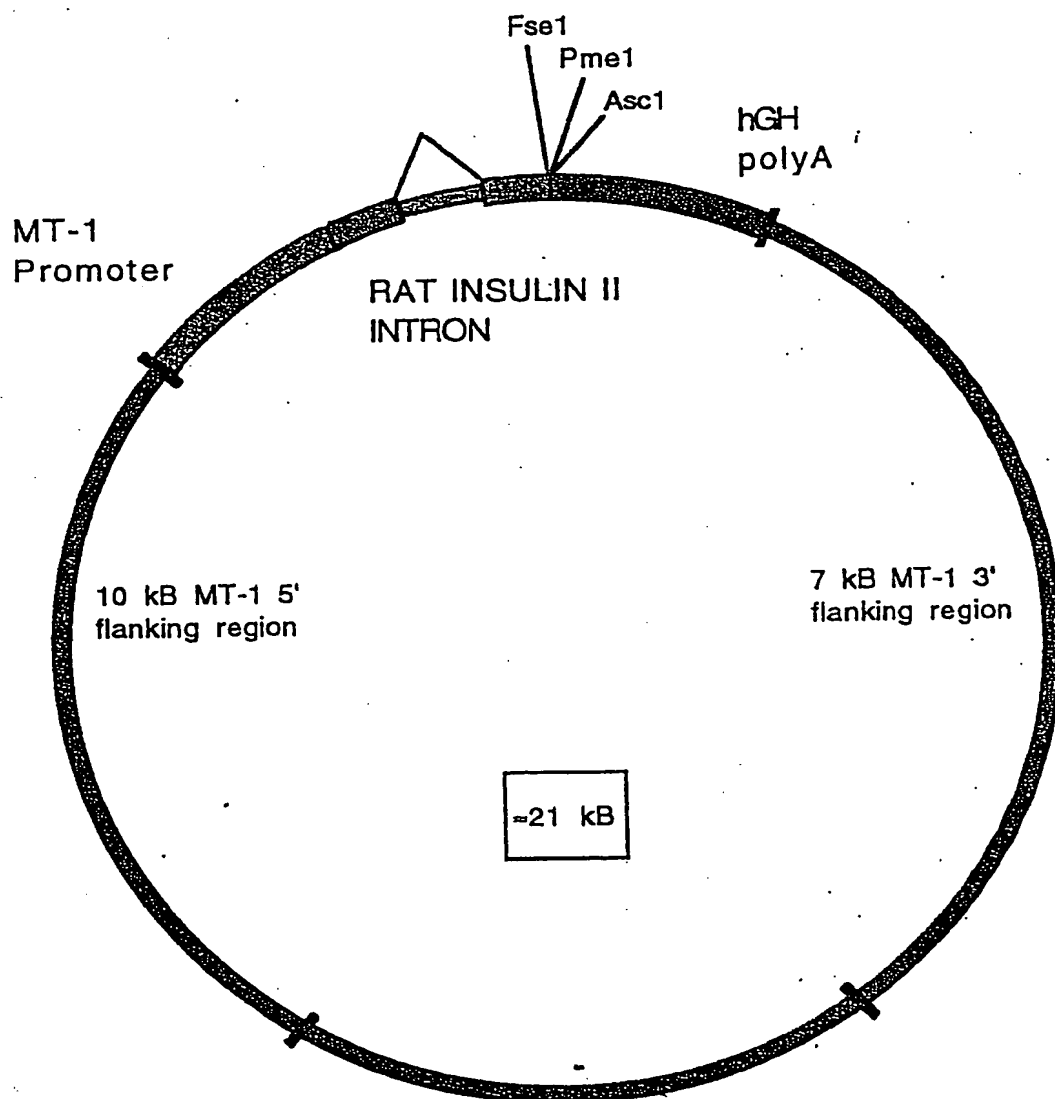


Fig. 2

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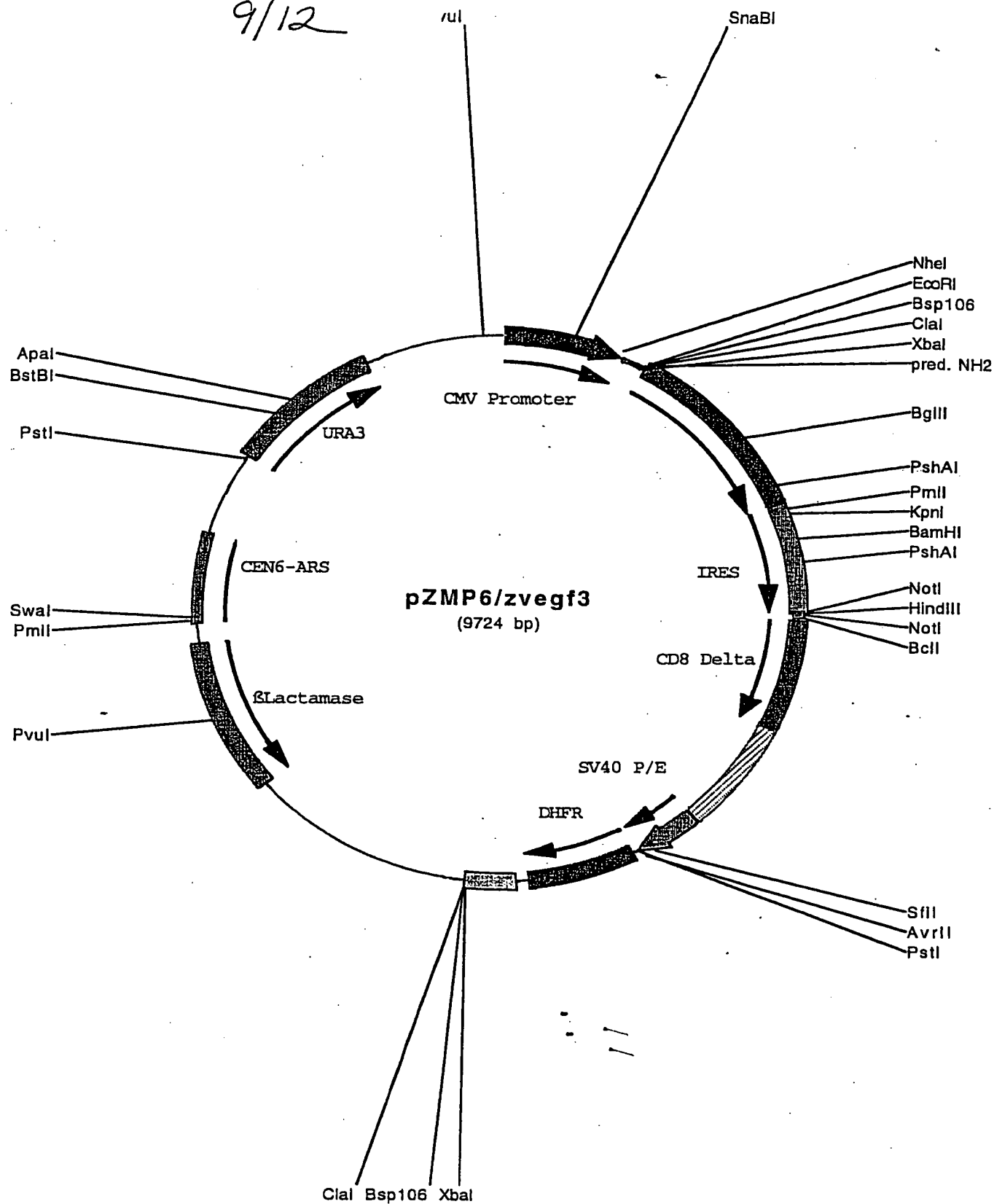


Fig. 3

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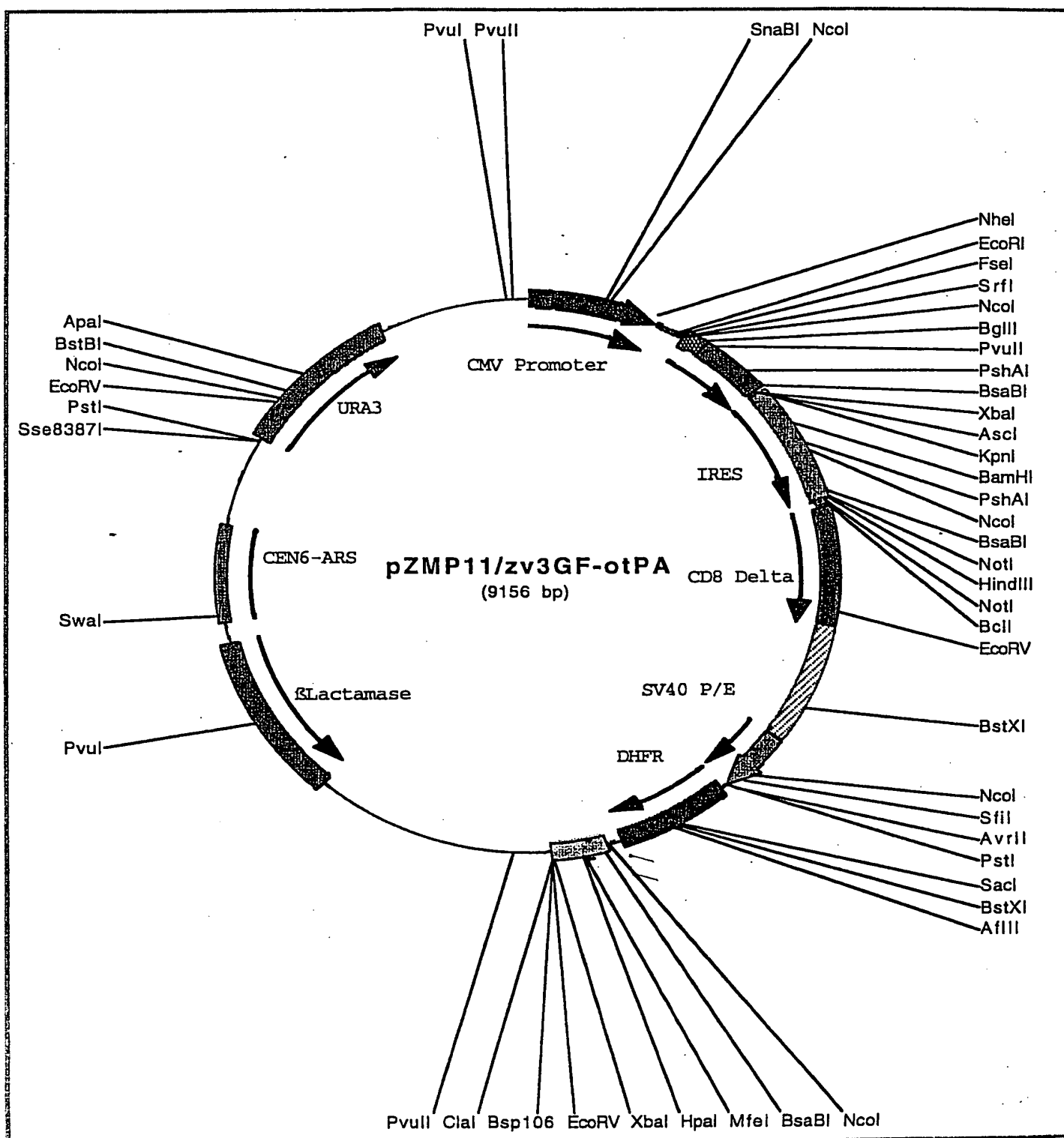


Fig. 4

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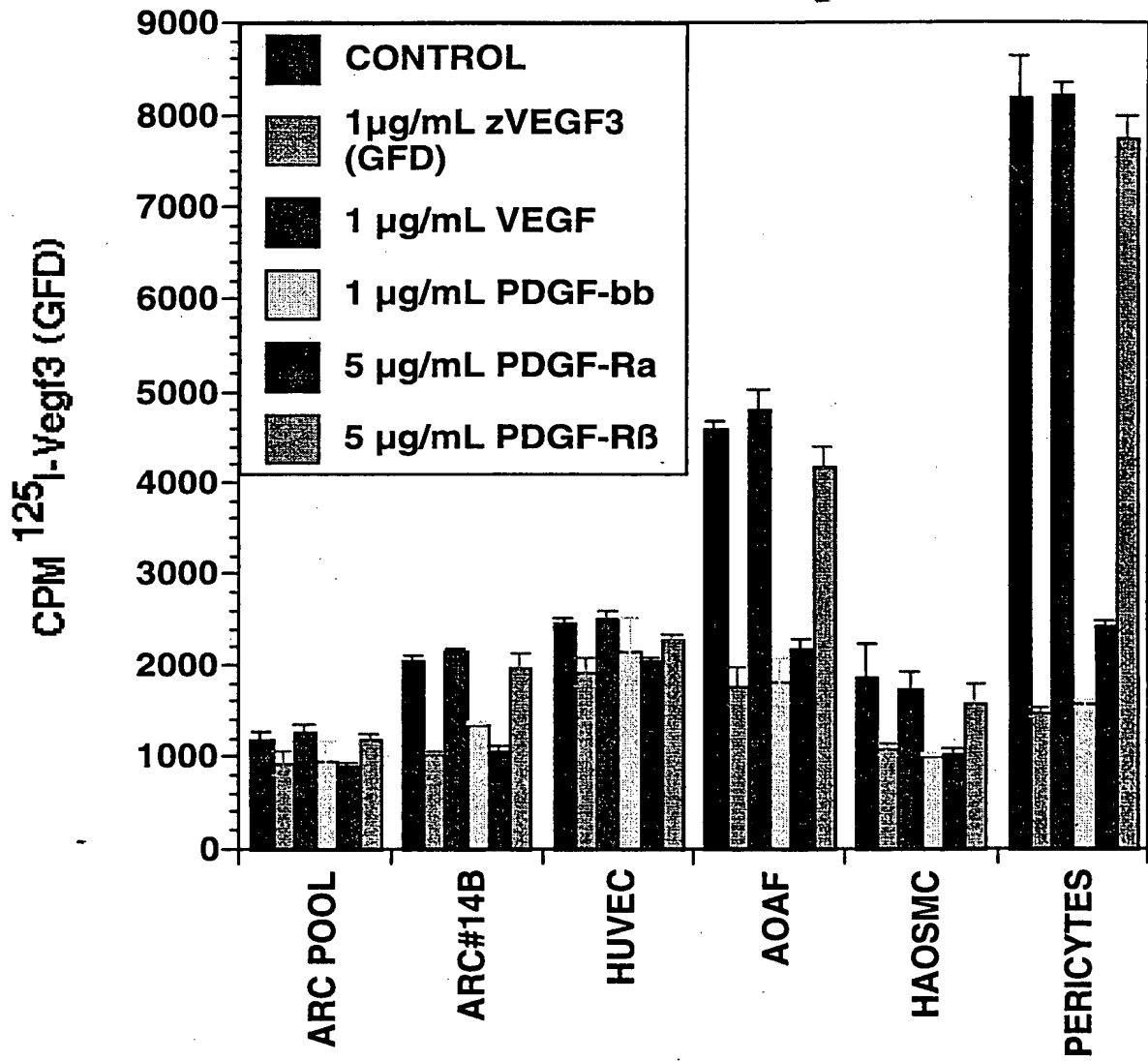


Fig. 5

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MSLFGLLLLTSAAGQRQGTQAESNLSSKFQFSSNKEQNGVQDPQHERIITVSTNGSIHS

MLLLGLLLLTSAAGQRTGTRAESNLSSKLQLSSDKEQNGVQDPRHERVVVISGNGSIHS

10 20 30 40 50 60

PRFPHTYPRNTVLVWRLVAVEENVWIQLTFDERFGLEDPEDDICKYDFVEVEEPSDGTIL

PKFPHTYPRNMVLVWRLVAVDENVRIQLTFDERFGLEDPEDDICKYDFVEVEEPSDGSVL

70 80 90 100 110 120

GRWCGSGTVPKGKQISKGNQIRIRFVSDEYFPSEPGFCIHYNIVMPQFTEAVSPSVLPPSA

GRWCGSGTVPKGKQTSKGNHIRIRFVSDEYFPSEPGFCIHYSIIMPQVTETTSPSVLPPSS

130 140 150 160 170 180

LPLDLLNNAITAFSTLEDLIRYLEPERWQLDLEDLYRPTWQLLGKAFVFGKRSRVVDLNL

LSLDLLNNAITAFSTLEELIRYLEPDRWQVDLDSLYKPTWQLLGKAFLYGKKSQVNLNL

190 200 210 220 230 240

LTEEVRLYSCTPRNFSVSIREELKRTDTIFWPGCLLVKRCGGNCACCLHNCNECQCVPSK

LKEEVKLYSCTPRNFSVSIREELKRTDTIFWPGCLLVKRCGGNCACCLHNCNECQCVPRK

250 260 270 280 290 300

VTKKYHEVLQLRPKTGVRGLHKS LTDVALEHHEECDVCVRGSGTGG (SEQ ID NO:2)

VTKKYHEVLQLRPKTGVKGLHKS LTDVALEHHEECDVCVRGNAGG (SEQ ID NO:43)

310 320 330 340

Fig. 6

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